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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/601,288	06/20/2003	Alan K. Schaer	09610.1271	1511	
EDWARD J. L	7590 03/11/200 YNCH	EXAMINER			
Patent Attorney			COHEN, LEE S		
One Embarcadero Center, Suite 562 San Francisco, CA 94111			ART UNIT	PAPER NUMBER	
			3739		
			MAIL DATE	DELIVERY MODE	
			03/11/2009	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/601,288	SCHAER, ALAN K.
Office Action Summary	Examiner	Art Unit
	Lee S. Cohen	3739
The MAILING DATE of this communication appeariod for Reply	ppears on the cover sheet with the	correspondence address
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory perio - Failure to reply within the set or extended period for reply will, by statu. Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATIO 1.136(a). In no event, however, may a reply be d will apply and will expire SIX (6) MONTHS fro tte, cause the application to become ABANDON	DN. timely filed m the mailing date of this communication. IED (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on 10 This action is FINAL . 2b) ☑ Th Since this application is in condition for allow closed in accordance with the practice under	is action is non-final. ance except for formal matters, p	
Disposition of Claims		
4) ☐ Claim(s) 1-52 and 54-77 is/are pending in the 4a) Of the above claim(s) is/are withdr 5) ☐ Claim(s) 1-52,54-60 and 64-67 is/are allowed 6) ☐ Claim(s) 61-63 and 68-77 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and and are subject.	rawn from consideration.	
Application Papers		
9) The specification is objected to by the Examir 10) The drawing(s) filed on is/are: a) acceptable and applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examiration is objected.	ccepted or b) objected to by the e drawing(s) be held in abeyance. S ection is required if the drawing(s) is o	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document of the priority document of the priority document of the certified copies of the certified c	nts have been received. nts have been received in Applica iority documents have been recei au (PCT Rule 17.2(a)).	ntion No ved in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summal Paper No(s)/Mail 5) Notice of Informal 6) Other:	

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 61 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In (d), "a plurality of electrical conductor" and in (e), "is configured to tissue facilitate" are vague.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 68, 69, 71, 72, and 77 are rejected under 35 U.S.C. 103(a) as being unpatentable over Panescu et al (5,769,847) in view of Nashef et al (5,682,899). Applicant's attention is directed to columns 5-8 in Panescu et al and, in particular, the figure 9 embodiment. Panescu et al also disclose at column 6, lines 28-32, that the electrodes can be as small as 4 French (1.35 mm) in diameter and have lengths varying from about 2 mm to about 10 mm. Adjacent electrodes are spaced no farther apart than about 2.5 times an electrode diameter. Accordingly, the electrode spacing can be within the claimed range. The reference further discloses a core member 28 that extends into a jacket (see Figure 8).

Nashef et al disclose the use of a metal band about a temperature sensor to improve its performance. Applicant's attention is directed to Figure 1, elements 19 and 20. Given this teaching, it would have been obvious to the skilled artisan to incorporate a metal band in Panescu et al to effect superior temperature sensing. Further, the process by which the band is attached to the temperature sensor is within the level of skill for the artisan to select to optimize performance.

With respect to claims 68 and 69, the recited methods are deemed to be obvious over the Panescu et al reference. Detecting electrical activity with the electrodes after delivering ablation energy is conventional in the art and would have been an obvious step. Further, the Panesu et al method encompasses delivering of energy to the electrodes in various patterns (i.e., sequential) to achieve optimum lesion formation.

Claims 61-63, 70, and 73-76 are rejected under 35 U.S.C. 103(a) as being unpatentable over Panescu et al (5,769,847) in view of Nashef et al (5,682,899) as detailed supra, and further in view of Littman et al (5,509,411). Littman et al disclose the use of braided helical conductors in a shaft that partially covers the electrodes as well as the particular core structure to have been well known in the art. The reference also discloses the use of a distal tip coil member. Given these teachings, it would have been obvious to the skilled artisan to incorporate these features in the Panescu et al device to render it more flexible and maneuverable.

Response to Arguments

Applicant's arguments filed have been fully considered but they are not persuasive.

Nashef et al clearly teaches the metal band feature of the temperature sensor. The fact that it dissipates heat generated by the sensor does not detract from the fact that it would inherently

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facilitate detecting the temperature adjacent the band which the temperature sensor is designed to detect. The temperature of the adjacent electrode is effectively the temperature of the adjacent tissue which is being ablated by the electrode and detected by the temperature sensor.

Allowable Subject Matter

Claims 1-52, 54-60, and 64-67 are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lee S. Cohen whose telephone number is 571-272-4763. The examiner can normally be reached on Monday-Friday, 7:00-3:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Linda Dvorak can be reached on 571-272-4764. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Lee S. Cohen Primary Examiner Art Unit 3739

/Lee S. Cohen/ Primary Examiner, Art Unit 3739 March 9, 2009